

IRRIGATION AND PRECIPITATION MANAGEMENT

Objective: To investigate management of water, both irrigation and precipitation, within existing cropping systems and to conceptualize new cropping systems. A broad examination of the many issues in water management is needed to effectively provide options for producers and water managers.

- **Crop productivity**
 - Enhanced water use efficiency
 - Crop stress physiology
 - Water quality issues
- **Crop Water use (dryland to full irrigation)**
 - Partitioning of E & T
 - Irrigation scheduling
 - Satellite / remote sensing
 - Preplant irrigation and water evaporative losses
 - Lawn / turf grass water use

Outcome: Economically viable strategies that efficiently use less irrigation water.